

## SEQUENCE LISTING

<110> Monsanto Co  
 Behr, Carl  
 Hironaka, Catherine  
 Heck, Gregory  
 You, Jinsong

<120> Corn Event PV-ZMGT32(nk603) and Composition and Methods for Detection Thereof

<130> 38-21(52258)B

<150> 60/213,567  
 <151> 2000-06-22

<150> 60/241,215  
 <151> 2000-10-13

<150> 60/240,014  
 <151> 2000-10-13

<160> 16

<170> PatentIn version 3.0

<210> 1  
 <211> 22  
 <212> DNA  
 <213> artifical

<220>  
 <221> source  
 <222> (1)..(22)  
 <223> fully synthesized

<400> 1  
 gtatatcgac tcactatagg gc 22

<210> 2  
 <211> 30  
 <212> DNA  
 <213> artifical

<220>  
 <221> source  
 <222> (1)..(30)  
 <223> full synthesized

<400> 2  
 tgacgtatca aagtaccgac aaaaacatcc 30

<210> 3  
 <211> 19  
 <212> DNA  
 <213> artifical

<220>  
 <221> source  
 <222> (1)..(19)

<223> fully synthesized

<400> 3 19  
actatagggc acgcgtggt

<210> 4  
<211> 29  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(29)  
<223> fully synthesized

<400> 4 29  
ctttgtttta ttttggacta tcccgactc

<210> 5  
<211> 26  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(26)  
<223> fully synthesized

<400> 5 26  
agattgaatc ctgttgccgg tcttgc

<210> 6  
<211> 28  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(28)  
<223> fully synthesized

<400> 6 28  
gcggtgtcat ctatgttact agatcggg

<210> 7  
<211> 498  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(498)  
<223> 1-304 Zea maize genomic DNA  
305-349 construct vector DNA  
350-498 rice actin 1 promoter DNA

```

<400> 7
aatcgatcca aaatcgcgac tgaaatgggtg gaagaaagag agaacagaga gcctcacgtt    60
tccagggtga agtatcagag gatttaccgc ccatgccttt tatggagaca agaaggggag    120
gaggtaaaca gatcagcatc agcgctcgaa agtttcgtca aaggatgcgg aactgtttcc    180
agccgcgctc gccattcggc cagactcctc ctctctcggc atgagccgat cttttctctg    240
gcattttcaa ccctagagac gtgcgtccct ggtgggctgc tcggccagca agccttgtag    300
cggcccacgc gtggtaccaa gcttgatata cctagggcgg ccgcgttaac aagcttactc    360
gaggtcattc atatgcttga gaagagagtc gggatagtcc aaaataaaac aaaggtaaga    420
ttaccggtca aaagtgaaaa catcagttaa aagggtgtata aagtaaaata tcggtaataa    480
aagggtggccc aaagtgaa                                                    498

```

```

<210> 8
<211> 1183
<212> DNA
<213> artifical

<220>
<221> source
<222> (1)..(1183)
<223> 1-164 Agrobacterium tumefaciens nos 3' terminator
      165-381 construct vector DNA
      382-686 Zea maize plastid genes, rps11 and rpoA
      687-1183 Zea maize genomic DNA

```

```

<400> 8
gacgttattt atgagatggg tttttatgat tagagtcccg caattataca tttaatcgc    60
gatagaaaac aaaatatagc gcgcaaacta ggataaatta tcgcgcgcgg tgtcatctat    120
gttactagat cggggatata cccggggaat tcggtaccaa gctttttata tagtagaaaa    180
gagtaaattt cactttgggc caccttttat taccgatatt ttactttata ccacctttta    240
actgatgttt tcacttttga ccaggtaatc ttacctttgt tttattttgg actatcccga    300
ctctcttctc aagcatatga atgacctcga gtaagcttgt taacgcggcc gccctaggga    360
tatcaagctt ggtaccacgc gacacacttc cactctagt tttgagtgga tcctgttata    420
tcttctcgaa ccataacaga ctagtattat ttgatcattg aatcgtttat ttctcttgaa    480
agcggtttca ttttttttta cagacgtctt tttttaggag gtcgacatcc attatgcggc    540
atagggtgta catcgcgtat acaacttaac cgtacaccac ttttagcaat ggctcgtaat    600
gcggcatctc ttccgctacc agcacctttt accataactt ctgctcgttg caaaccact    660
gtacgaatag catctactgc tgttctgctg actttatttt ttttaataaa gtgaaaaacc    720
ataaaatgga caacaacacc ctgcccttca ctaccggtcg gagcgacgcc gaagatgggg    780

```

ttcaacacgg tcgacacg gatgcaacgg accctccaag ccaataactcg aggcgggacc 840  
gacgacgtag gcaggggtgg ccataacgac ggtggcggca tccaacttgt tctttccctt 900  
tctctgtctt caacttgccg cggcagtcgt ctagaccag gggatgctgt gtggaggaga 960  
ggtcgcgggg ccgattttt atagcctggg cgaggacgag cttggccgaa ccgatccaga 1020  
gctctgcgca aatcacgaag aaccagtggg gccgctcgcg cctagccac cgccaggagc 1080  
ggggcttggt gcgagccgta gcgtcgggaa ggggacgacc cgctaggggg gcccatgctc 1140  
cagcgcccag agagaaaaaa agaaaggaag gcgcgagatg atg 1183

<210> 9  
<211> 19  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(19)  
<223> Zea maize genomic and vector DNA

<400> 9  
tgtagcggcc cacgcgtgg 19

<210> 10  
<211> 18  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(18)  
<223> zea maize plastid DNA and vector DNA

<400> 10  
taccacgga cacacttc 18

<210> 11  
<211> 18  
<212> DNA  
<213> artifical

<220>  
<221> source  
<222> (1)..(18)  
<223> Zea maize genomic DNA and vector DNA

<400> 11  
tgctgttctg ctgacttt 18

<210> 12  
<211> 18  
<212> DNA

<213> artificial  
 <220>  
 <221> source  
 <222> (1)..(18)  
 <223> Agrobacterium tumefaciens nos 3' terminator and rice actin promoter DN

<400> 12  
 accaagcttt tataatag 18

<210> 13  
 <211> 22  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> source  
 <222> (1)..(22)  
 <223> fully synthesized

<400> 13  
 aatcgatcca aaatcgcgac tg 22

<210> 14  
 <211> 22  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> source  
 <222> (1)..(22)  
 <223> fully synthesized

<400> 14  
 ttcactttgg gccacctttt at 22

<210> 15  
 <211> 22  
 <212> DNA  
 <213> artificial  
 <220>  
 <221> source  
 <222> (1)..(22)  
 <223> fully synthesized

<400> 15  
 gacgttatatt atgagatggg tt 22

<210> 16  
 <211> 22  
 <212> DNA  
 <213> artificial

<220>  
 <221> source  
 <222> (1)..(22)  
 <223> fully synthesized

<400> 16  
 catcatctcg cgccttcctt tc

22